

What is claimed is:

1. A vehicle for inspecting a pipe comprising:
a chassis;
propulsion means for driving the chassis along the pipe; and
sensor means which when located adjacent an interior surface of the pipe
provide a signal indicative of the presence of lateral openings in the pipe wherein the
sensor means comprises a capacitive sensor.
2. The vehicle as in claim 1, wherein the capacitive sensor comprises a plate for
location adjacent to and spaced from an interior surface of the pipe, such that in use the
plate and the portion of the pipe adjacent thereto function as a pair of plates in a
capacitor.
3. The vehicle as in claim 1, the sensor means comprising means for detecting a
trickle current which, in use, passes through the capacitive sensor to the pipe, the trickle
current providing the signal which is indicative of the presence of lateral openings in the
pipe.
4. The vehicle as in claim 1, comprising cutting means mounted on the chassis
comprising a cutting tool capable of cutting through a liner lining the pipe, and actuator
means for moving the cutting means relative to the chassis, the propulsion means, the
cutting means and the actuator means all being electrically controllable by a human
operator using electrical control means.
5. The vehicle as in claim 1, comprising camera means to provide an image of the
interior of the pipe.
6. The vehicle as in claim 4, wherein the actuator means is operable to move the
sensor means relative to the chassis.

7. The vehicle as in claim 6, wherein the actuator means can engage the sensor means with one part of the interior surface of the pipe while forcing the cutting means to cut an aperture in a directly opposite part of the pipe whereby the engagement of the sensor means with the first part of the pipe provides a force which reacts to forces arising during a cutting operation and thereby stabilises the vehicle during the cutting operation.

8. The vehicle as in claim 4, wherein the actuator means comprises a hydraulic ram powered by hydraulic fluid pressurised by an electrically operated pump mounted on the chassis of the vehicle and controllable by the control means.

9. The vehicle as in claim 8, wherein the pump is connectable to an electrical cable dragged behind the vehicle to receive electrical power therefrom.

10. The vehicle as in claim 9, wherein the propulsion means, the cutting means and the actuator means are all connectable to the electrical cable to receive electrical power and control signals therefrom.

11. The vehicle as in claim 8, wherein the propulsion means comprises a plurality of caterpillar tracked drive units pivotally connected to the chassis which are pivoted relative to the chassis by a/the hydraulic ram powered by hydraulic fluid supplied by the hydraulic pump mounted on the chassis.

12. The vehicle as in claim 8, wherein the actuator means is operable to move the sensor means relative to the chassis and the sensor means is connected to a/the hydraulic ram powered by hydraulic fluid supplied by the hydraulic pump mounted on the chassis.

13. The vehicle as in claim 1, comprising means for rotating the sensor means about the longitudinal axis of the vehicle.

14. A vehicle for inspecting a pipe, comprising a chassis with an electric motor drive for propelling it along the interior of the pipe; the vehicle having a capacitive sensor for movement adjacent an interior surface of the pipe to provide a signal indicative of the presence of the lateral openings in the pipe.